

SILICONE RELEASE COATING COMPOSITIONS

[0001] This application is a divisional of U.S. Patent Application No. 09/614,471, filed July 11, 2000. Now abandoned.

[0002] This invention relates to a novel branched siloxane and also to silicone based release coating compositions and release modifier compositions containing the aforementioned branched siloxane.

[0003] Silicone based release coatings are useful in applications where relatively non-adhesive surfaces are required. Single sided liners, for example, backing papers for pressure sensitive adhesive labels, are usually adapted to temporarily retain the labels without affecting the adhesive properties of the labels. Double sided liners for example, interleaving papers for double sided and transfer tapes, are utilised to ensure the protection and desired unwind characteristics of a double sided self-adhesive tape or adhesive film.

[0004] A substrate, for example a single sided liner, is coated by applying a silicone based release coating composition onto the substrate and subsequently curing the composition, by, for example, thermally initiated hydrosilylation.

[0005] The basic constituents of silicone based release coating compositions which are cured by hydrosilylation are:-

- 1) an alkenylated polydiorganosiloxane, typically a linear polymer with terminal alkenyl groups,
- 2) a polyorganohydrogensiloxane cross-linking agent, designed to cross-link the alkenylated polydiorganosiloxane and

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